

## ABSTRACT OF THE DISCLOSURE

Especially for electrodes, there is provided a structure successively comprising a layer of a metal L1, a fluoro primer L2 and a layer of a fluoro polymer L3 in which the fluoro primer L2 is derived from a fluoro polymer chemically modified by a partial dehydrofluorination with a base followed by an oxidation step, especially with  $H_2O_2$ . According to one specific form, the structure is an electrode of a lithium-ion battery in which the metal L1 is the collector and the fluoro polymer L3, which has a high content of carbon and/or oxides, is the electroactive layer thereof.